

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Two-Way Radios

FROM:

Chief, Facilities Management Division  
3E14 Hqs.

EXTENSION

NO.

DATE

18 August 1988

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. Director of Logistics

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Attached forwarded per your inquiry. Please let us know if you would like us to prepare a response for your signature.

Note for C/FMD

Subject: D/L Inquiry about 2-Way Radios

STAT

1. [redacted] and I have previously discussed this issue. He feels that OMS was shortchanged by OIT since they did not incorporate the UHF radio requirements for Fairfax County Fire and Rescue Services. I support his feeling since I feel that FMD is in a similar situation. We also use UHF radio frequencies [redacted]. From my NBPO days I know that these requirements were passed to OIT. I have searched for documentation which shows we passed our requirements to OIT but have yet been able to find any written record. I do have an OIT document (attached) which indicates that OIT was aware of our (Allied Maintenance Service) requirements and that of OMS and Fairfax County Emergency Services. I do not recall any OS involvement. OIT was running the show. The first I heard that our (and the County's) requirements were not being met was the first week in June 1988 at a meeting with [redacted] (OIT). He was looking for space in the NHB and OHB to put his repeater equipment. As I remember it, it was an "oh by the way" type comment by him that revealed that only VHF signals will be covered.

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2. In summary, I too feel that OIT dropped the ball. OS was to my knowledge not involved, but have no documentation to substantiate all this. Allied has included in their FY89 base budget a figure of \$5,750 to purchase a repeater which will service only our own requirements.

STAT



18 Aug 88

DATE: 23 JUN 1987

STAT

MEMORANDUM FOR:

FROM:

SUBJECT: Transmittal of R/S Segment TEM Minutes

1. On 9 June 1987, the below listed persons attended a R/S Segment TEM. The purpose of the TEM was to discuss the 2-Way Radio Communications Study. Comments and questions on these minutes may be referred to the point-of-contact, [redacted]

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Attendees:

STAT

2. Significant matters discussed during the TEM are summarized below.

- a. The unpublished minutes of the 5 Feb 87 TEM on 2-Way Radio Penetration were reviewed, see Attachment A.
- b. Additional information on the following radio services was passed to ARC. Information included, frequencies, transmitter power output and antenna locations.

OSCAR and VICTOR Nets  
OS Paging System (Frequency Only)  
Allied Maintenance Service  
OMS

- c. Information on the FMD Paging System (Metro Call) and Fairfax County Emergency Services may be obtained directly by ARC since this information is in the public domain.
- d. There is no known requirement for DCI or DDO radio services.
- e. NBPO radios did have a problem communicating in the NHB. A repeater was purchased and placed in service and the problem appears to have been corrected.
- f. A site visit was planned. On 18 Jun 87, ARC is to visit the OHB and NHB, determine antenna loations [redacted]

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SUBJECT: Transmittal of [REDACTED] /S Segment TEM Minutes

NOTE:

[REDACTED]

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- STAT
- g. ARC will prepare a draft report on the 2-Way Radio Study and will submit the draft on 30 June 87. The final report will be submitted after NBCPD review of the draft. The target date for the final report is 7 July 87. [REDACTED] stressed that the report should reflect a solution that is expandable and can be upgraded (e.g. to support digital communications). [REDACTED] indicated that the report would basically cover:

1. A statement (description) of the problem.
2. What methodologies ARC looked at?
3. A recommended solution with supporting rationale.
4. An estimate of the cost to implement the recommended solution.

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[REDACTED]

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Next 1 Page(s) In Document Denied

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Lack of Two-Way Radio Capability for Fairfax County  
Emergency Services in the New Headquarters Building

FROM:

Director of Security

EXTENSION

NO.

OS 88-5954

DATE

11 AUG 1988



TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. Director of Logistics

13/8

[Signature]

2.

3.

C/FMD

[Signature]

4.

C/OPS /FMD

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D/L

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— can you shed any light on this problem? what can be done to rectify the situation?

Regraded Unclassified when Separated from Attachments

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11 AUG 1988

MEMORANDUM FOR: Director of Medical Services

FROM: James P. Lynch  
Director of Security

SUBJECT: Lack of Two-Way Radio Capability for Fairfax  
County Emergency Services in the New  
Headquarters Building [redacted]

REFERENCE: Memo for D/OMS fm C/SD/OMS, dtd 7 July 1988  
Same Subject

1. An examination of Office of Security documents fails to disclose the existence of any recorded discussions with members of the Safety Division in which Safety Division's requirements for communication needs in the New Headquarters Building were identified. Attachment B of the referenced memorandum, a memorandum for C/CED/EG/OIT from C/SD/OMS, dated 8 June 1988, which comments on the potential radiation hazard of the New Headquarters Building radio system, appears to be the first time (paragraph 7) that OMS identifies its requirements concerning the Fairfax County Fire and Rescue network. This Office finds no indication that OMS sought formally, or informally, to have these requirements included in the New Headquarters Building communications planning cycle prior to this June 1988 time frame. [redacted]

2. In connection with the problem at hand, it is suggested that the specifics of the OMS requirement for communications within the [redacted] New Headquarters Building be handled directly with the appropriate element of OIT. [redacted]

Attachment

cc: D/OL  
D/OIT

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OS REGISTRY

8-0962X

7 July 1988

REFERENCE

MEMORANDUM FOR: Director of Medical Services

FROM:

Chief, Safety Division

SUBJECT: Lack of Two-Way Radio Capability for  
Fairfax County Emergency Services in  
the New Headquarters Building

REFERENCE: A. Memo for C/SD/OMS fm C/CED/EG/OIT  
dated 27 June 1988, Subject: Proposed  
Addition of Fairfax County Fire and Rescue  
Network in the New Headquarters Building  
2-Way Radio System

B. Memo for C/CED/EG/OIT from C/SD/OMS dated  
8 June 1988, Subject: Radio Communications  
within the New Headquarters Building

1. It has come to the attention of the Safety Division via reference that the recently installed two way radio system for the New Headquarters Building does not have the capability to accomodate the radio frequencies for the Fairfax County Fire and Rescue Services. I believe that this is a serious oversight of this system, and I recommend that the Agency provide the funds necessary to expand the system to correct this deficiency.

UNCLASSIFIED WHEN SEPARATED  
FROM ATTACHMENTS

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25X1

4. It is anticipated that this lack of communications capability will become an issue with the Fairfax County officials and the media in the event of a major fire or similiar emergency in the New Headquarters Building. The fact that the Agency could have provided adequate emergency service communications could place us in a bad position with County, State, and Federal officials.

5. I highly recommend that the Agency provide the funds necessary to incorporate the Fairfax County emergency frequencies. A member of CED/EG/OIT has estimated that the cost to provide this capability would range from \$250,000 to \$350,000. A more detailed estimate could be provided if requested.

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6. If additional information is required, please contact  
[redacted] Chief, Fire Protection  
Engineering Branch, on extension [redacted]

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## ROUTING AND RECORD SHEET



OS REGISTRY

8-0962X

SUBJECT: (Optional) Lack of Two-Way Radio Capability for Fairfax County  
Emergency Services in the New Headquarters Building

FROM: Gary E. Foster  
Director of Medical Services  
1D4061 Hqs.

EXTENSION

NO.

DATE

11 July 1988

TO: (Officer designation, room number, and building)

DATE

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

		DATE		OFFICER'S INITIALS
		RECEIVED	FORWARDED	
1.	EO	7/12/88	7/9/88	B
1a.	D/OS	8/9/88	8/11/88	
2.				
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Jim, John:

This is a serious error that requires our attention. It will seriously impede OMS efforts to work with paramedics from within the new building and will limit the command/control of fire and emergency professionals. How can we fix?

Gary

1a to 3

John:

I had my people research this matter, and we are unable to find any record that would indicate that the Office of Security ever deleted a requirement for UHF radio capability in the New Headquarters Building. I have responded to Gary Foster directly and suggested that OMS's requirements for such service should be directed to the appropriate element of OIT. A copy of my correspondence is being forwarded to your Office:



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Next 1 Page(s) In Document Denied

CED-057-88

27 JUN 1988

MEMORANDUM FOR: Chief, Safety Division, OMS

25X1 FROM:

[REDACTED]  
Communications Engineering Division, EG/OIT

25X1 SUBJECT: Proposed Addition of Fairfax County Fire and Rescue Network  
in the New Headquarters Building (NHB) 2-Way Radio System [REDACTED]

REFERENCE: Memo for C/CED/EG/OIT from C/SD/OMS, dated 8 June 1988,  
Subject: Radio Communications within the New Headquarters  
Building

25X1 1. Communications Engineering Division (CED) has reviewed your  
25X1 recommendation that the NHB 2-way radio system include communications with  
the Fairfax County Fire and Rescue Network operating on assigned frequencies  
[REDACTED]

2. As presently designed and funded, the [REDACTED] system  
accommodates VHF high band (150 Mhz - 174 Mhz) frequencies for security and  
other essential Agency 2-way communications only. To accommodate UHF  
frequencies such as the Fairfax County Fire and Rescue Network would involve  
expanding and re-engineering the radio frequency portion of the system in its  
entirety. To expand the system as proposed would require submission of a  
firm requirement through OL and OS and provision of funds to accomplish. The  
25X1 system is currently in the process of being installed and activated; thus,  
25X1 any expansion or re-engineering would require a new effort. [REDACTED]

3. Refer any questions to [REDACTED]


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25X1  
25X1  
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8 June 1988

ATTACHMENT  
16

MEMORANDUM FOR: Chief, Communication Engineering Division  
Engineering Group  
Office of Information Technology


FROM:

  
Chief, Safety Division  
Office of Medical Services

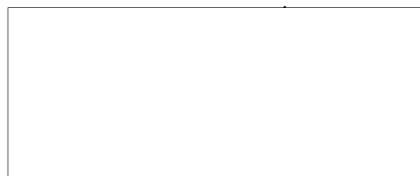
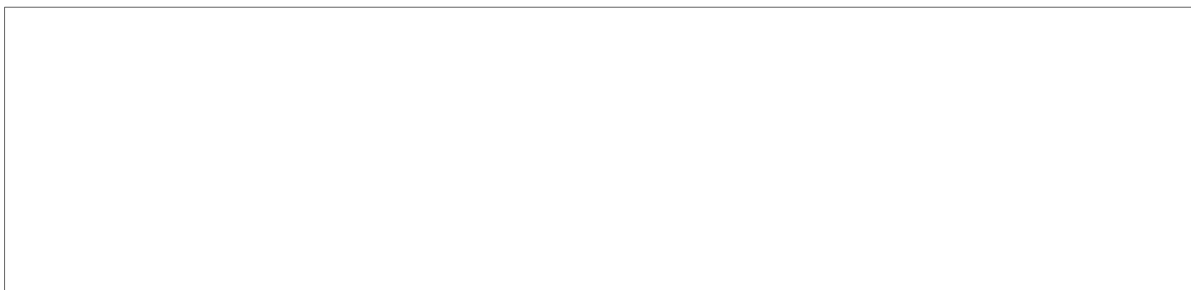
25X1

SUBJECT: Radio Communications within the New Headquarters Building

REFERENCE: Memo for OMS/EH&PMO from C/OIT/EG/CED; dated 13 May 1988, Subject: Same

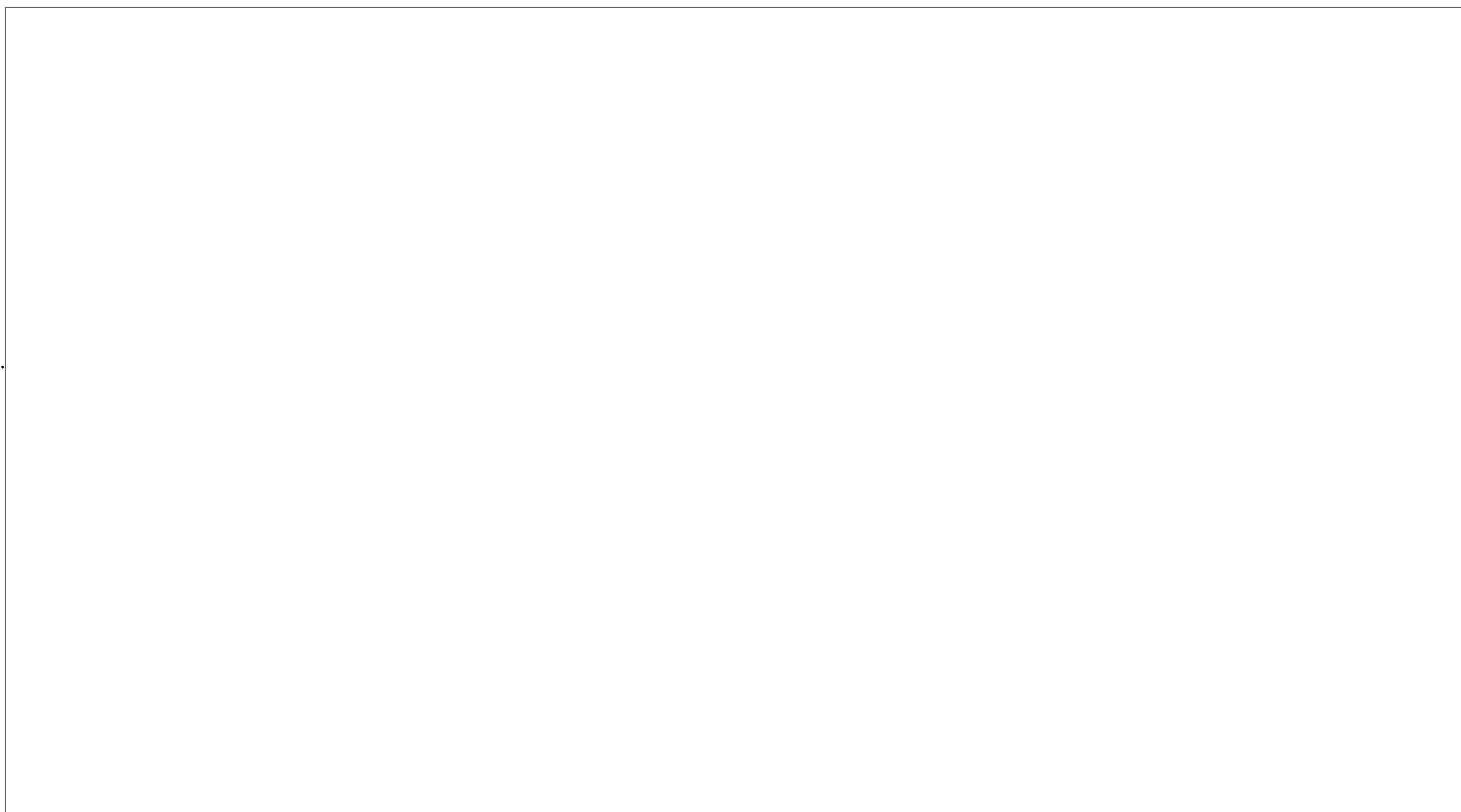
25X1 1. The Safety Division was asked to review the reference plans for the New Headquarters Building (NHB) radio system and comment on potential radiation hazard. Radiation safety standards for radiofrequency electromagnetic fields are provided in . These standards are based on American National Standards Institute guide ANSI C95.1-1982. The Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) also use ANSI C95.1-1982 as reference.

2. Low-power radios operating at frequencies below 1000 MHz and radiating at power levels below 7 W are exempt under ANSI C95.1-1982. The NHB radio system will operate at 150-180 MHz at power levels of about 5 W.



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7. The Safety Division recommends that the NHB radio system accommodate communications within the Fairfax County Fire and Rescue network. The network operates on the following frequencies:

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8. Should additional information be necessary, please contact  Chief, Occupational Health Branch, Safety Division, on extension

25X1  
25X1

cc: OMS/EH&PMO  
OIT Safety Officer  
C/OS/PSG/HSD/SDO

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